

From: [Air.Pollution Control](#)
To: [APC Permitting](#)
Subject: FW: Complete letter for Construction permit application: Koch Tenn, Inc. (32-0309-02/981992)
Date: Tuesday, March 12, 2024 1:44:40 PM
Attachments: [image001.png](#)
[Source 02 Emissions.xls](#)

From: Sarosh Kaiser <Sarosh.Kaiser@tn.gov>
Sent: Tuesday, March 12, 2024 12:55 PM
To: Air.Pollution Control <Air.Pollution.Control@tn.gov>
Subject: FW: Complete letter for Construction permit application: Koch Tenn, Inc. (32-0309-02/981992)

Please upload e mail and attached emission calculations in PDF ONLY for-

Facility ID: 32-0309-02
Permit Number: 981992
Facility Name: Koch Tenn, Inc.

Thank you!
Sarosh

From: Shea Cofer <shea@stevensehs.com>
Sent: Monday, March 4, 2024 9:45 PM
To: Sarosh Kaiser <Sarosh.Kaiser@tn.gov>
Cc: Myron Nagurney <myron@kochtenninc.com>; rick@kochandco.com
Subject: [EXTERNAL] RE: Complete letter for Construction permit application: Koch Tenn, Inc. (32-0309-02/981992)

Sarosh,

Please see attached. We would appreciate the emissions spreadsheet not being made public. Please confirm this is the case.

Thanks,
Shea

From: Sarosh Kaiser <Sarosh.Kaiser@tn.gov>
Sent: Wednesday, February 28, 2024 5:45 PM
To: Shea Cofer <shea@stevensehs.com>
Cc: Myron Nagurney <myron@kochtenninc.com>
Subject: RE: Complete letter for Construction permit application: Koch Tenn, Inc. (32-0309-02/981992)

Shea,

If you can send me both VOC and PM in Excel it would be great. The PDF of the calculation that I have are very tiny.

Thanks!

Sarosh

Sarosh Kaiser



Sarosh Kaiser | Environmental Protection Specialist

Division of Air Pollution Control

William R. Snodgrass Tennessee Tower

312 Rosa L. Parks Avenue, 15th Floor

Nashville, TN 37243

Phone No : 615-532-0585

E mail : sarosh.kaiser@tn.gov

Tell us how we're doing. [Take our TDEC customer service survey.](#)

From: Shea Cofer <shea@stevensehs.com>

Sent: Wednesday, February 28, 2024 3:33 PM

To: Sarosh Kaiser <Sarosh.Kaiser@tn.gov>

Cc: Myron Nagurney <myron@kochtenninc.com>

Subject: [EXTERNAL] RE: Complete letter for Construction permit application: Koch Tenn, Inc. (32-0309-02/981992)

***** This is an EXTERNAL email. Please exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email - STS-Security. *****

Good afternoon, Sarosh.

The VOC potential is the same as previously submitted for the Title V permit. The PM emissions increased slightly based on flow rates.

Do you need the PM emissions calcs?

From: Sarosh Kaiser <Sarosh.Kaiser@tn.gov>

Sent: Tuesday, February 27, 2024 4:10 PM

To: Shea Cofer <shea@stevensehs.com>

Cc: Myron Nagurney <myron@kochtenninc.com>

Subject: Complete letter for Construction permit application: Koch Tenn, Inc. (32-0309-02/981992)

Shea,

Can you please send the supporting calculations for the new spray booth in Excel when you get a chance.

Thank you!

Sarosh

Sarosh Kaiser



Sarosh Kaiser | Environmental Protection Specialist

Division of Air Pollution Control

William R. Snodgrass Tennessee Tower

312 Rosa L. Parks Avenue, 15th Floor

Nashville, TN 37243

Phone No : 615-532-0585

E mail : sarosh.kaiser@tn.gov

Tell us how we're doing. [Take our TDEC customer service survey.](#)

Koch Tenn., Inc.

Whitesburg, TN

ESRN 32-0309

Production Multiplier = 2.5

KOCH TENN., INC.
Whitesburg, Tennessee
Wood Finishing (ESRN 32-0309-02)
VOC/HAP Emission Calculations

hours of operation 8760

MATERIAL NAME	Product No.	Annual Usage (Gal)	Density (lb/gal)	VOC Content (% Weight)	VOC Emissions (lbs/yr)	HAZARDOUS AIR POLLUTANTS																				
						Xylene 1330-20-7 (%)	Xylene 1330-20-7 (lb/yr)	Toluene 108-88-3 (%)	Toluene 108-88-3 (lb/yr)	Ethyl Benzene 100-41-4 (%)	Ethyl Benzene 100-41-4 (lb/yr)	Methanol 67-56-1 (%)	Methanol 67-56-1 (lb/yr)	Cumene 98-82-8 (%)	Cumene 98-82-8 (lb/yr)	Naphthalene 91-20-3 (%)	Naphthalene 91-20-3 (lb/yr)	Methyl Isobutyl Ketone 108-10-1 (%)	Methyl Isobutyl Ketone 108-10-1 (lb/yr)	Formaldeh yde 50-00-0 (%)	Formaldeh yde 50-00-0 (lb/yr)	Chromium (%)	Chromium (lb/yr)	Cobalt (%)	Cobalt (lb/yr)	Total (lbs/yr)
Golden Hickory Stain	S64XXN10154	375	7.25	80.90%	2199.5	1.00%	27.2	0.00%	0.0	0.10%	2.7	0.00%	0.0	1.00%	27.2	2.00%	54.4	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	111.5
Mocha Stain	S64XXN14023	375	7.37	68.00%	1879.4	0.00%	0.0	0.00%	0.0	0.10%	2.8	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	2.8
Java Stain	S64XXN14666	375	6.37	96.90%	2314.7	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.0
Cordovan Stain	S64R15	0	7.10	76.10%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.0
Van Dyke Brown Glaze	S66N11	50	7.72	62.90%	242.8	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.0
Brown Glaze	S66XXN13605	50	8.80	51.90%	228.4	0.00%	0.0	0.00%	0.0	0.10%	0.4	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.4
Black Dye	S61XXN13947	1050	6.73	41.60%	2939.7	0.00%	0.0	11.00%	777.3	0.00%	0.0	5.00%	353.3	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	1130.6
Brown Dye	S61XXN14183	1675	6.64	40.40%	4493.3	0.00%	0.0	12.00%	1334.6	0.00%	0.0	6.00%	667.3	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	2002.0
Purple Dye	S61XXR14193	50	6.65	40.50%	134.7	0.00%	0.0	12.00%	39.9	0.00%	0.0	6.00%	20.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	59.9
Olive Varnish	H66XXG13410	0	8.65	49.10%	0.0	8.00%	0.0	0.00%	0.0	1.00%	0.0	2.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.0
White Varnish	H66XXW13411	17545	8.84	52.50%	81426.3	8.00%	12407.8	0.00%	0.0	1.00%	1551.0	2.00%	3102.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	17060.8
Pearl Varnish	H66XXW14433	6030	8.85	47.40%	25295.2	8.00%	4269.2	0.00%	0.0	1.00%	533.7	2.00%	1067.3	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	5870.2
Antique White Varnish	H66XXH13073	250	8.85	47.40%	1048.7	8.00%	177.0	0.00%	0.0	1.00%	22.1	2.00%	44.3	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	243.4
Black Varnish	H66B22	1485	8.12	52.00%	6270.3	9.00%	1085.2	0.00%	0.0	2.00%	241.2	2.00%	241.2	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	1567.6
Laquer Thinner	K119-SW	20200	6.64	79.10%	106095.2	5.00%	6706.4	33.00%	44262.2	0.80%	1073.0	4.00%	5365.1	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	57406.8
Varnish	V84FL0027-27	16000	7.48	60.40%	72286.7	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.0
Catalyst	V66V21	1655	8.01	59.30%	7861.1	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	2.00%	265.1	0.00%	0.0	0.00%	0.0	0.00%	0.0	265.1
Barsol	A-2360	1250	6.93	90.00%	7796.3	16.00%	1386.0	15.00%	1299.4	4.00%	346.5	5.00%	433.1	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	3465.0
Dark Stain	S64XXN10070	885	7.42	76.60%	5030.1	1.00%	65.7	0.00%	0.0	0.10%	6.6	0.00%	0.0	1.00%	65.7	2.00%	131.3	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	269.2
Medium Stain	S64XXN10619	525	7.43	91.90%	3584.8	1.00%	39.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	3.00%	117.0	6.00%	234.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	390.1
Brandy mix Stain	S64XXN13940	240	7.28	73.00%	1275.5	0.00%	0.0	0.00%	0.0	0.10%	1.7	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	1.7
Pigmented Conversion Varnish, Java	H66XXB15768	300	7.93	55.11%	1311.0	7.00%	166.5	0.00%	0.0	1.00%	23.8	2.00%	47.6	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	237.9
Wiping Stain, Stone	S64XXA15710	30	7.21	82.66%	178.8	21.00%	45.4	0.00%	0.0	4.00%	8.7	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	54.1
Pigmented Conversion Varnish, pewter/fog	H66XXA15770	3294	8.90	47.08%	13801.9	7.00%	2052.2	0.00%	0.0	1.00%	293.2	2.00%	586.3	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	2931.7
Pigmented Conversion Varnish, Oyster	H66XXA15259	4674	8.85	47.34%	19584.1	8.00%	3309.2	0.00%	0.0	1.00%	413.6	2.00%	827.3	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	4550.1
Sher-Wood Wiping Stain, Koch Spice	S64XXN14053-4343	1500	6.68	65.42%	6555.0	0.00%	0.0	0.00%	0.0	0.10%	10.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	10.0
Barsol A-5255	A-5255	5596	6.92	99.60%	38570.9	0.00%	0.0	0.00%	1.5	0.00%	0.0	0.48%	185.9	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	187.4
Sher-Wood Pigmented Conversion Varnish, Taupe	H66XXN16155-4343	930	8.34	88.00%	6825.5	7.50%	581.7	0.00%	0.0	1.50%	116.3	2.50%	193.9	20.00%	1551.2	0.00%	0.0	0.00%	0.0	0.10%	6.0	0.00%	0.0	0.00%	0.0	2449.2
Sher-Wood SB Stain, Koch Driftwood	S64SBN16222-4343	120	8.92	75.00%	802.8	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	3.50%	37.5	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	37.5
Sher-Wood Pigmented Conversion Varnish, kraftmaid blue	H66XXL16562-4343	2445	8.09	63.00%	12461.1	6.47%	1279.7	0.00%	0.0	1.12%	221.5	2.34%	462.8	0.31%	61.3	0.00%	0.0	0.00%	0.0	0.10%	7.9	0.00%	0.0	0.00%	0.0	2033.3
Sher-Wood Pigmented Conversion Varnish, Ivory	H66XXW16899-5232	2067	8.88	47.70%	8755.3	8.00%	1468.4	0.00%	0.0	1.00%	183.5	2.00%	367.1	0.15%	27.5	0.00%	0.0	0.00%	0.0	0.05%	2.1	0.00%	0.0	0.00%	0.0	2048.7
Sher-Wood SB Stain, Koch Driftwood 05/11/18	S64SBN17066-5232	405	8.33	66.30%	2236.7	2.00%	67.5	0.00%	0.0	0.00%	0.0	0.00%	0.0	3.00%	101.2	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	168.7
Sher-Wood SB Stain, Koch Stone 05/11/18	S61SBA17065-5232	1020	7.92	73.10%	5905.3	2.00%	161.6	0.00%	0.0	0.00%	0.0	0.00%	0.0	3.00%	242.4	0.60%	48.5	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	452.4
Pre-Reduced Catalyst, KOCH REDUCED CATALYST	V66XXV15749-5232	150	7.04	85.50%	902.9	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.90%	9.5	0.00%	0.0	0.00%	0.0	0.00%	0.0	9.5
Methyl Amyl Ketone (MAK)	R6K30	625	6.76	100.00%	4225.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.0

*Hourly emissions are calculated based on 2080 hours per year to align with expected production rates

KOCH TENN., INC.
Whitesburg, Tennessee
Wood Finishing (ESRN 32-0309-02)
PM Emission Calculations

hours of operation 8760

Flow Rate (ACFM)	Dia (ft)	Exit Velocity (ft/sec)	Exit Temp (F)	Moisture Content %	Flow Rate (DSCFM)	Exhaust PM Conc. (gr/dscf)	PM	
							lb/hr	tpy
66500.0	2.5	225.9	80	5%	62005	0.02	10.63	46.56

1. ACFM based on the following flow rates:

SB1A, SB1B, SB1C, SB2A, SB2B - 7,500 acfm each

SM1, SM2, SM3, SM4, SM5 - 3,800 acfm each

OV1, OV2, OV3, OV4, OV5 - 2,000 acfm each

2. $\text{lb/hr} = \text{dscfm} \times 0.02 \text{ gr/dscf} \times 60 \text{ min/hr} / 7,000 \text{ gr/lb}$

KOCH TENN., INC.
Product Specifications
Emission Source 32-0309-02

Product Name	Product No.	Density (lb/gal)	VOC (%)	VOC (lb/gal)	Xylene 1330-20-7 (%)	Xylene 1330-20-7 (lb/gal)	Toluene 108-88-3 (%)	Toluene 108-88-3 (lb/gal)	Ethyl Benzene 100-41-4 (%)	Ethyl Benzene 100-41-4 (lb/gal)	Methanol 67-56-1 (%)	Methanol 67-56-1 (lb/gal)	Cumene 98-82-8 (%)	Cumene 98-82-8 (lb/gal)	Naphthalene 91-20-3 (%)	Naphthalene 91-20-3 (lb/gal)	Methyl Isobutyl Ketone 108-10-1 (%)	Methyl Isobutyl Ketone 108-10-1 (lb/gal)	Formaldeh yde 50-00-0 (%)	Formaldeh yde 50-00-0 (lb/gal)	Chromium Compound (%)	Chromium Compound (lb/gal)	Cobalt Compound (%)	Cobalt Compound (lb/gal)	
Golden Hickory Stain	S64XXN10154	7.25	80.90%	5.87	1.00%	0.07	0.00%	0.00	0.10%	0.01	0.00%	0.00	1.00%	0.07	2.00%	0.15	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00
Mocha Stain	S64XXN14023	7.37	68.00%	5.01	0.00%	0.00	0.00%	0.00	0.10%	0.01	0.00%	0.00	0.00%	0.00	0.00%	0.00		0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00
Java Stain	S64XXN14666	6.37	96.90%	6.17	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00
Cordovan Stain	S64R15	7.10	76.10%	5.40	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00
Purple Dye	S61XXR14193	6.65	40.50%	2.69	0.00%	0.00	12.00%	0.80	0.00%	0.00	6.00%	0.40	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00
Cranberry Varnish	H66XXR14509	8.35	46.70%	3.90	2.00%	0.17	0.00%	0.00	3.00%	0.25	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00
Olive Varnish	H66XXG13410	8.65	49.10%	4.25	8.00%	0.69	0.00%	0.00	1.00%	0.09	2.00%	0.17	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00
Pearl Varnish	H66XXW14433	8.85	47.40%	6.51	8.00%	0.71	0.00%	0.00	1.00%	0.09	2.00%	0.18	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00
Antique White Varnish	H66XXH13073	8.85	47.40%	4.61	8.00%	0.71	0.00%	0.00	1.00%	0.09	2.00%	0.18	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00
Barsol	A-2360	6.93	90.00%	6.24	16.00%	1.11	15.00%	1.04	4.00%	0.28	5.00%	0.35	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00
Cinnamon Stain	S64XXN10619	7.48	75.30%	5.63	2.00%	0.15	0.00%	0.00	0.10%	0.01	0.00%	0.00	2.00%	0.15	1.00%	0.07	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00
Brandymix Stain	S64XXN13940	7.28	73.00%	5.31	0.00%	0.00	0.00%	0.00	0.10%	0.01	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00
Autumn Stain	S64XXN11113	7.20	85.00%	6.12	3.00%	0.22	0.00%	0.00	1.00%	0.07	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00
Pigmented Conversion Varnish, Java	H66XXB15768	7.93	55.11%	4.37	7.00%	0.56	0.00%	0.00	1.00%	0.08	2.00%	0.16	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00
Wiping Stain, Stone	S64XXA15710	7.21	82.66%	5.96	21.00%	1.51	0.00%	0.00	4.00%	0.29	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00
Sher-Wood Pigmented Conversion Varnish, Koch's Cocoa	H66XXB15768-4343	7.93	55.11%	4.37	7.00%	0.56	0.00%	0.00	1.00%	0.08	2.00%	0.16	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00
Sher-Wood Wiping Stain, Koch Spice	S64XXN14053-4343	6.68	65.42%	5.72	0.00%	0.00	0.00%	0.00	0.10%	0.01	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00
Sher-Wood SB Stain, Koch Driftwood	S64SBN16222-4343	8.92	75.00%	6.69	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	3.50%	0.31	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00
Sher-Wood SB Stain, Mocha	S64SBN16140-5232	7.14	78.90%	5.63	6.00%	0.43	0.00%	0.00	1.00%	0.07	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00
Sher-Wood SB Stain, Koch Stone 05/11/18	S61SBA17065-5232	7.92	73.10%	5.79	2.00%	0.16	0.00%	0.00	0.00%	0.00	0.00%	0.00	3.00%	0.24	0.60%	0.05	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00
Methyl Amyl Ketone (MAK)	R6K30	6.76	100.00%	6.76	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00
N-Butyl Acetate	123-86-4	7.33	100.00%	7.33	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00
Sher-Wood SB Stain, Stone 50/50 Mix	S64SCA17649-4343	7.49	75.00%	5.62	2.00%	0.15	0.00%	0.00	0.00%	0.00	0.00%	0.00	2.00%	0.15	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00
Sher-Wood SB Stain, Sand	S64SBW17253-4343	8.40	72.80%	6.12	2.00%	0.17	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.60%	0.05	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00
Sher-Wood SB Stain, Frontier Stain	S64SBN16772-4343	7.65	56.20%	4.30	0.00%	0.00	0.00%	0.00	0.10%	0.01	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.20%	0.02	
Colored Lacquer Enamel Antique White Aerosol	105-3892	6.92	77.02%	5.33	0.36%	0.02	4.79%	0.33	0.18%	0.01	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00
Colored Lacquer Enamel Pearl Aerosol	105-3893	7.16	78.91%	5.65	0.00%	0.00	5.56%	0.40	0.01%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00
Colored Lacquer Enamel Cocoa Aerosol	105-4025	6.62	88.37%	5.85	0.00%	0.00	6.36%	0.42	0.01%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00
Finish Toner Java Aerosol	105-4027	6.46	85.60%	5.53	1.02%	0.07	5.42%	0.35	0.20%	0.01	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00
Colored Lacquer Enamel Taupe Aerosol	105-4106	7.20	78.33%	5.64	0.00%	0.00	5.45%	0.39	0.01%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00
Sher-Wood SB Stain, Koch Almond	S64SBN18238-4343	7.24	76.20%	5.52	0.00%	0.00	0.00%	0.00	0.10%	0.01	0.00%	0.00	0.10%	0.01	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00
Sher-Wood SB Stain, Koch Brandy	S64SBN16056-4343	7.45	40.90%	3.05	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	5.00%	0.37	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00
Sher-Wood SB Stain, Koch Russet	S64SBN18239-4343	6.91	81.30%	5.62	0.00%	0.00	0.00%	0.00	0.10%	0.01	0.00%	0.00	0.10%	0.01	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00
Sher-Wood SB Stain, hiawatha stone	S64SBA16138-4343	7.18	75.60%	5.43	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	2.00%	0.14	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00
H66 Kemvar 80 Conv. Varnish Foxhall Green	104272379 29287135	8.77	44.10%	3.87	0.00%	0.00	0.00%	0.00	0.90%	0.08	0.00%	0.00	0.90%	0.08	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00
H66 Kemvar 80 Conv. Varnish Smoky Blue	H66WNL18352-794343	8.86	43.40%	3.85	0.00%	0.00	0.00%	0.00	0.10%	0.01	0.00%	0.00	0.10%	0.01	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00
Koch Coffee	S64WXN17522	8.37	3.30%	0.28	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.03%	0.00	0.00%	0.00	0.00
Koch Pebble	S64WXA17538	8.01	1.10%	0.09	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00
Saddle	S61XXN17564																								